

**Work Order ID 57758**

Page 1

April 14, 2010 11:41:02 AM

Item ID: D2199-9

Accept



Setup Start



Revision ID:

Stop



Item Name: Strut Details

Start Date: 4/14/10

Start Qty: 4.00



Cust Item ID:

Required Date: 4/20/10

Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan: *W*

Date: \_\_\_\_\_

Tooling: \_\_\_\_\_

Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D2199

Rev E1

100

0.00



NC BRAKE

Brake NC

Memo

0.00

Brake NC

Punch per Dwg. D2199 and Spec Control Dwg D2638

*SD 10/04/28*

110

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

Debur

*ES 10/04/29*

120

0.00



QC5- Inspect part completeness to step on W/O

QC

Memo

0.00

Quality Control

*SD 10/04/29*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 57758

April 14, 2010 11:41:02 AM



Page 2

Item ID: D2199-9

Accept



Setup Start



Revision ID:

Stop



Item Name: Strut Details

Start Date: 4/14/10 Start Qty: 4.00



Cust Item ID:

Required Date: 4/20/10 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130  Powdercoat Powder Coating	White Gloss(Ref:4.3.5.2) per QSI005 4.3-Steel <i>11114207</i> Memo START TIME: <i>7:15am</i> □ OVEN TEMPERATURE: <i>7:45am</i> □ FINISH TIME: <i>400°F</i>	0.00  0.00				<i>4</i>	<i>0</i>		
140  QC Quality Control	QC3- Inspect Part Finish  Memo	0.00  0.00				<i>4</i>		<i>BK10-5-3</i>	
150  Packaging Packaging	Identify as per dwg & Stock Location: <i>258</i>  Memo	0.00  0.00						<i>10-5-4</i>	<i>(Signature)</i>

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 57758**

April 14, 2010 11:41:03 AM



Page 3

Item ID: D2199-9

Accept



Setup Start



Revision ID:

Stop



Item Name: Strut Details

Start Date: 4/14/10 Start Qty: 4.00



Cust Item ID:

Required Date: 4/20/10 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan: \_\_\_\_\_

Date: \_\_\_\_\_

Tooling: \_\_\_\_\_

Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

160



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/05/04

MK  
10-5-4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

April 14, 2010 11:41:01 AM

Page 1

Work Order ID: 57758

Parent Item: D2199-9

Parent Item Name: Strut Details

Comments: IPP: ☐A☐02.06.10☐New Issue☐NG/RF

Start Date: 4/14/10

Required Date: 4/20/10

Start Qty: 4.00

Required Qty: 4.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
M304TR0.750W.049		Purchased	No			110	f	43.2030	5.8947			



304 RD Tube .750 x .049W

## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

MAT017

43.203

109314

9.33

110113

5.29

112800

28.583

M 114482

6.000

10/04/28

4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



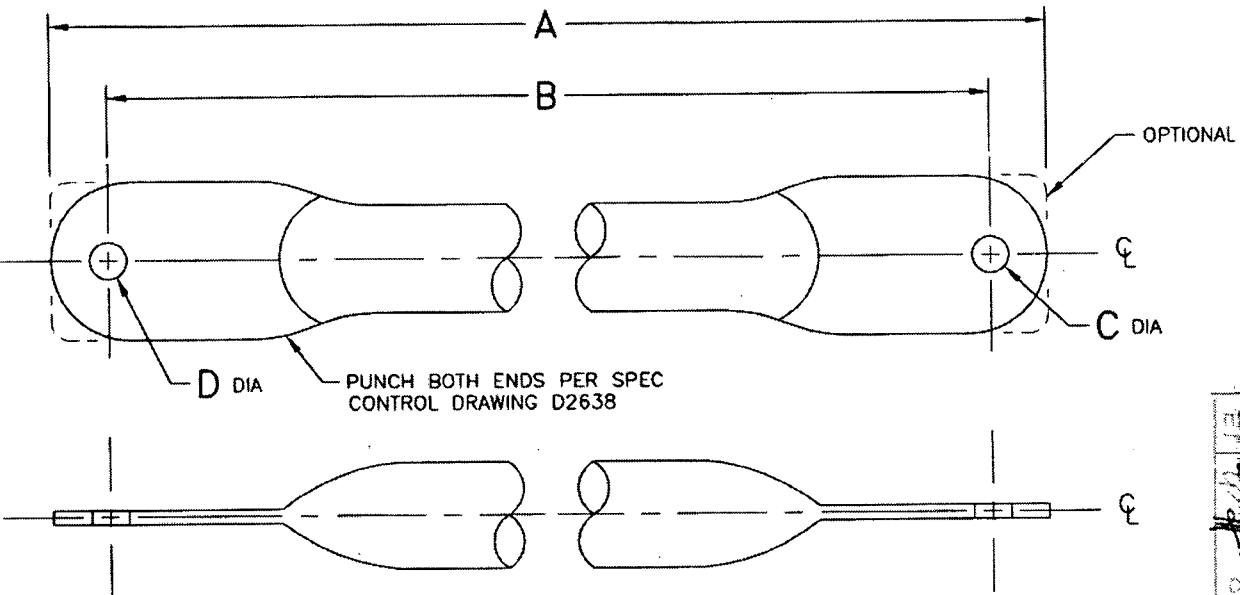


RELEASED  
98.05.05  
14E

DESIGN	DRAWN BY	DART AEROSPACE LTD HAMKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. E
DATE		D2199	SHEET 1 OF 1
98.04.28		TITLE	SCALE
		STRUT DETAILS	NTS

A	1993	NEW ISSUE
B		ADDED -11, -13, AND -15
C		ADDED -17 AND -19
D		ADDED -21
E	98.04.28	ADDED -23 AND -25 PER TSR A565M ADDED TEMPLATE & SPEC CTRL DWG REDRAWN IN CAD

ET	7904	D2199-22	ANTI FINISH
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	A	B	C	D
D2199-1	18.30	17.50	0.257	0.257
D2199-3	5.80	5.00	0.257	0.257
D2199-5	22.64	21.84	0.257	0.316
D2199-7	14.74	13.94	0.257	0.257
D2199-9	16.52	15.72	0.257	0.257
D2199-11	23.60	22.80	0.257	0.316
D2199-13	15.96	15.16	0.257	0.257
D2199-15	17.57	16.77	0.257	0.257
D2199-17	28.05	27.25	0.257	0.316
D2199-19	18.90	18.10	0.257	0.257
D2199-21	10.80	10.00	0.257	0.257
D2199-23	26.18	25.38	0.257	0.316
D2199-25	19.93	19.13	0.257	0.257
D2199-27	27.34	26.54	0.257	0.316
D2199-29	21.11	20.31	0.257	0.257

B  
B  
B  
C  
C  
C  
E  
E

100.10.13  
100.10.13

NOTES:

1. MAKE PER TEMPLATE DT2199-XX WHERE XX IS THE RESPECTIVE DASH NUMBER
2. MATERIAL: AISI 304/316 STAINLESS STEEL TUBE Ø0.750 x 0.049 WALL
3. FINISH: POWDER COAT WHITE (43.5 Z) PER PART 25 US 43/EI